



Koninklijke Marine

NOAA's second open house on Nautical Cartography

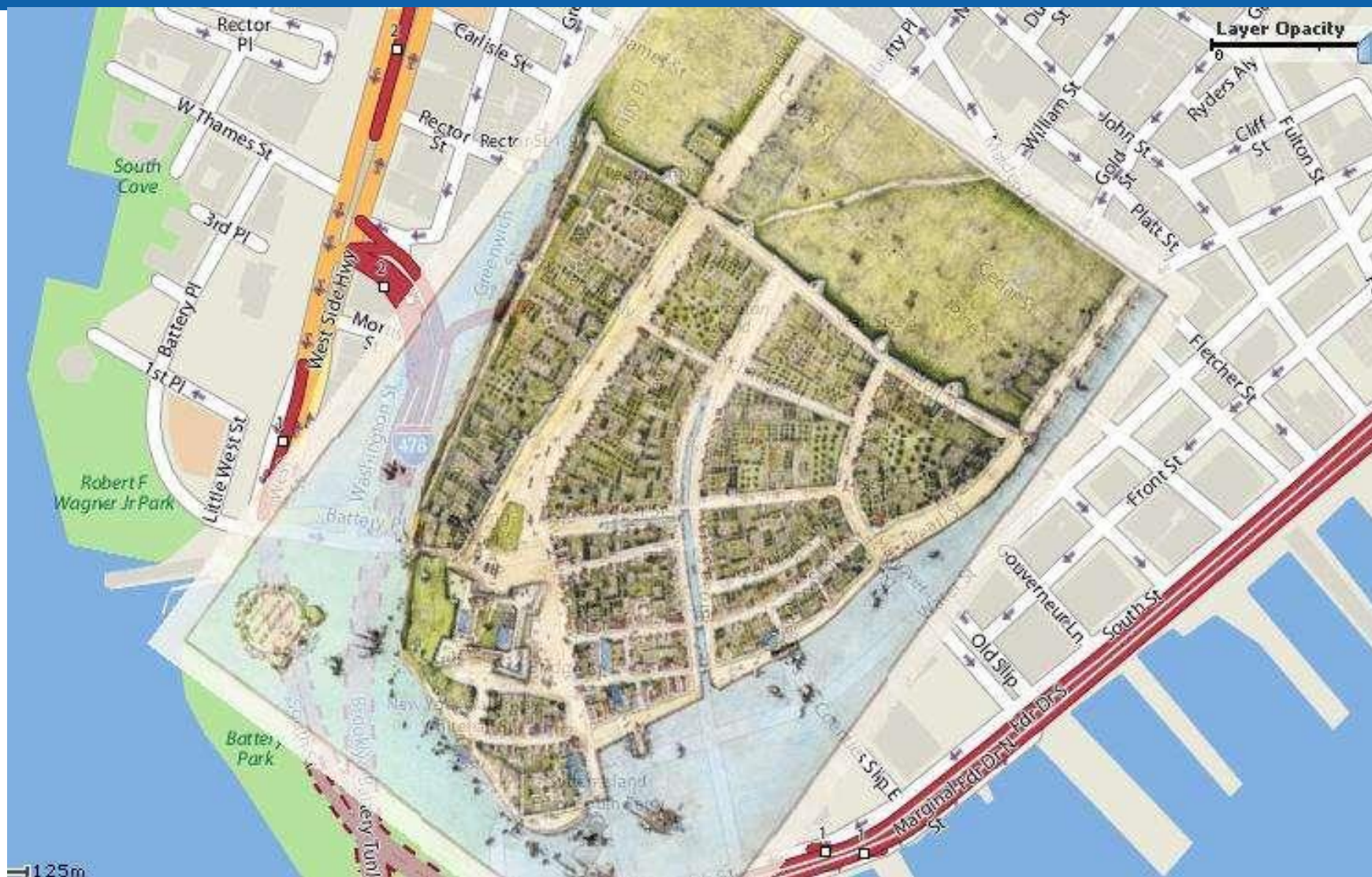
Past Present Future

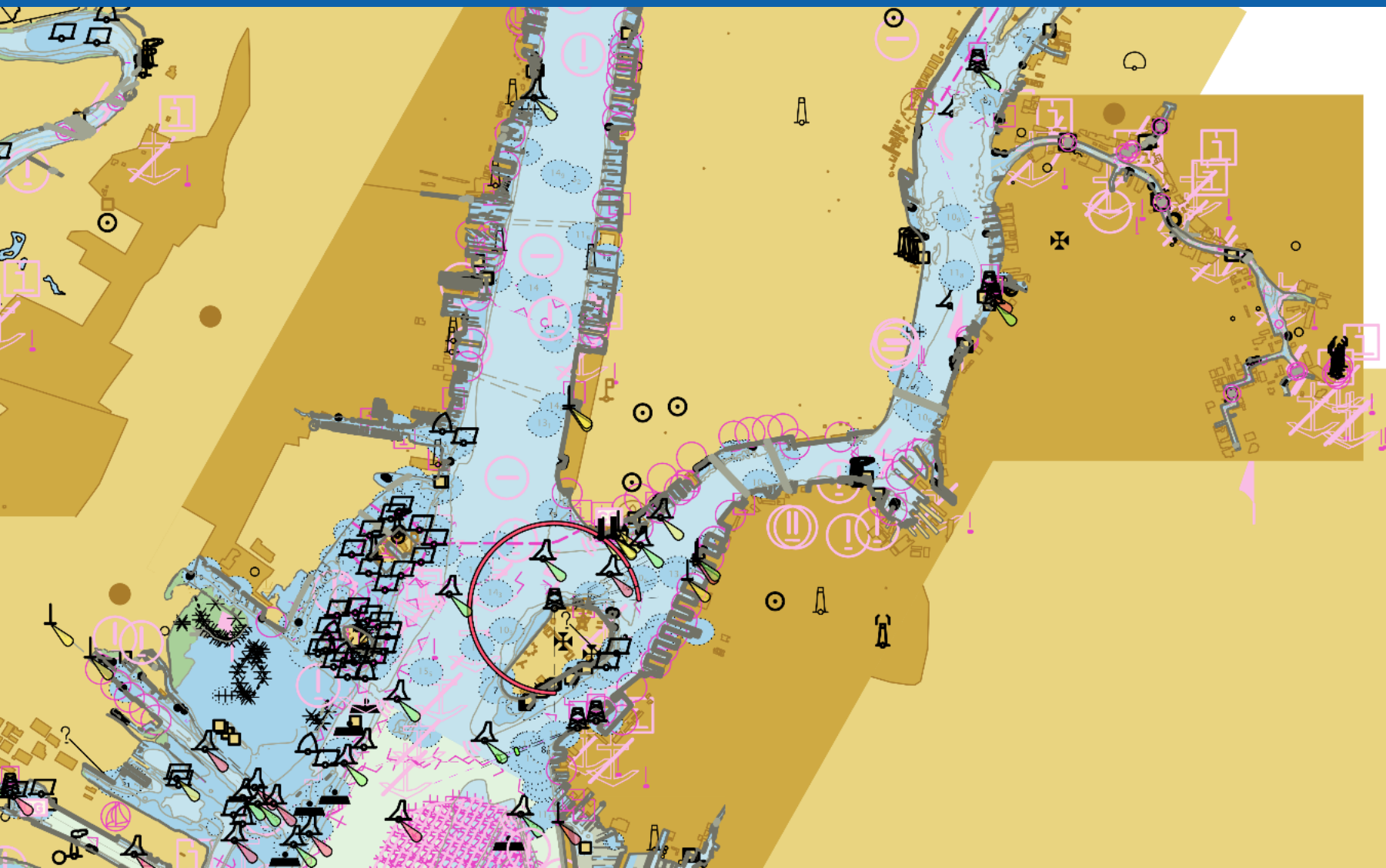


Captain Navy Marc CJ van der Donck
Director NLHO / Hydrographer RNLN

27 July 2018







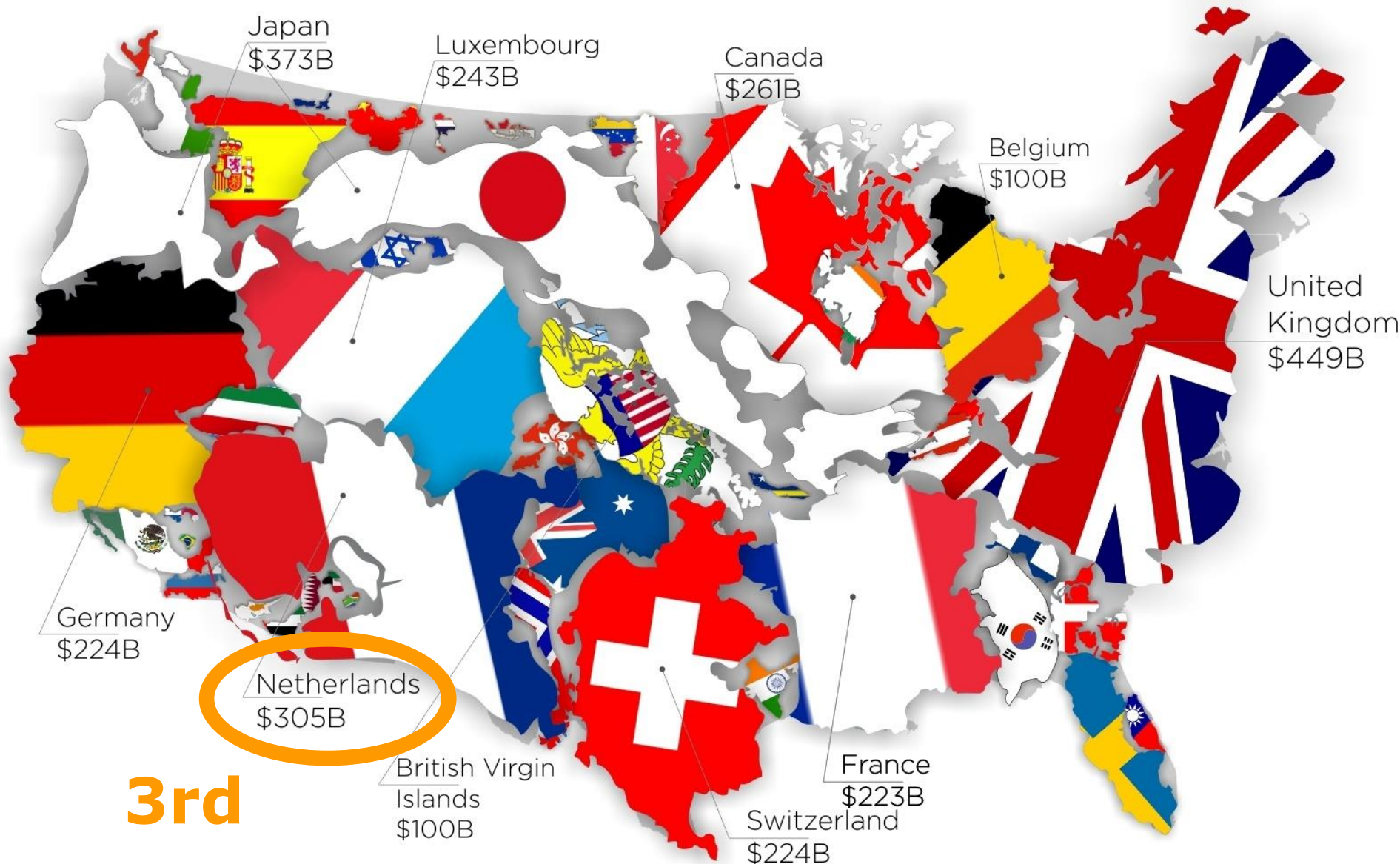


First Salute

USS ANDREW DORIA
16 November 1776



Which Countries Invest in The United States?



3rd

How to read this graph:

Countries appear bigger as their cumulative FDI (2009-2014) in the USA is higher. e.g. United Kingdom
Conversely, countries that have a lower cumulative FDI (2009-2014) in the USA appear smaller. e.g. Brazil

27 July 2018



Unilever

825.000



Shell



PHILIPS

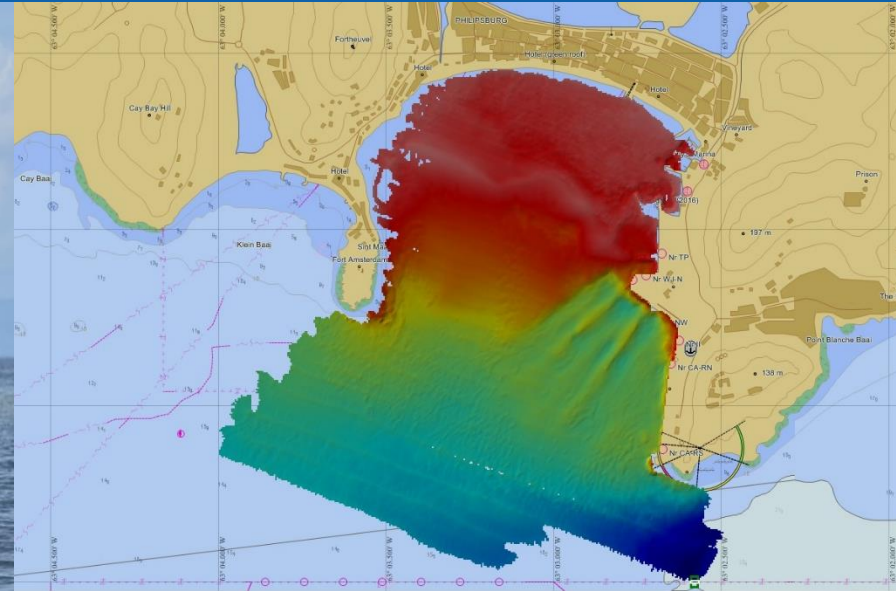
ING



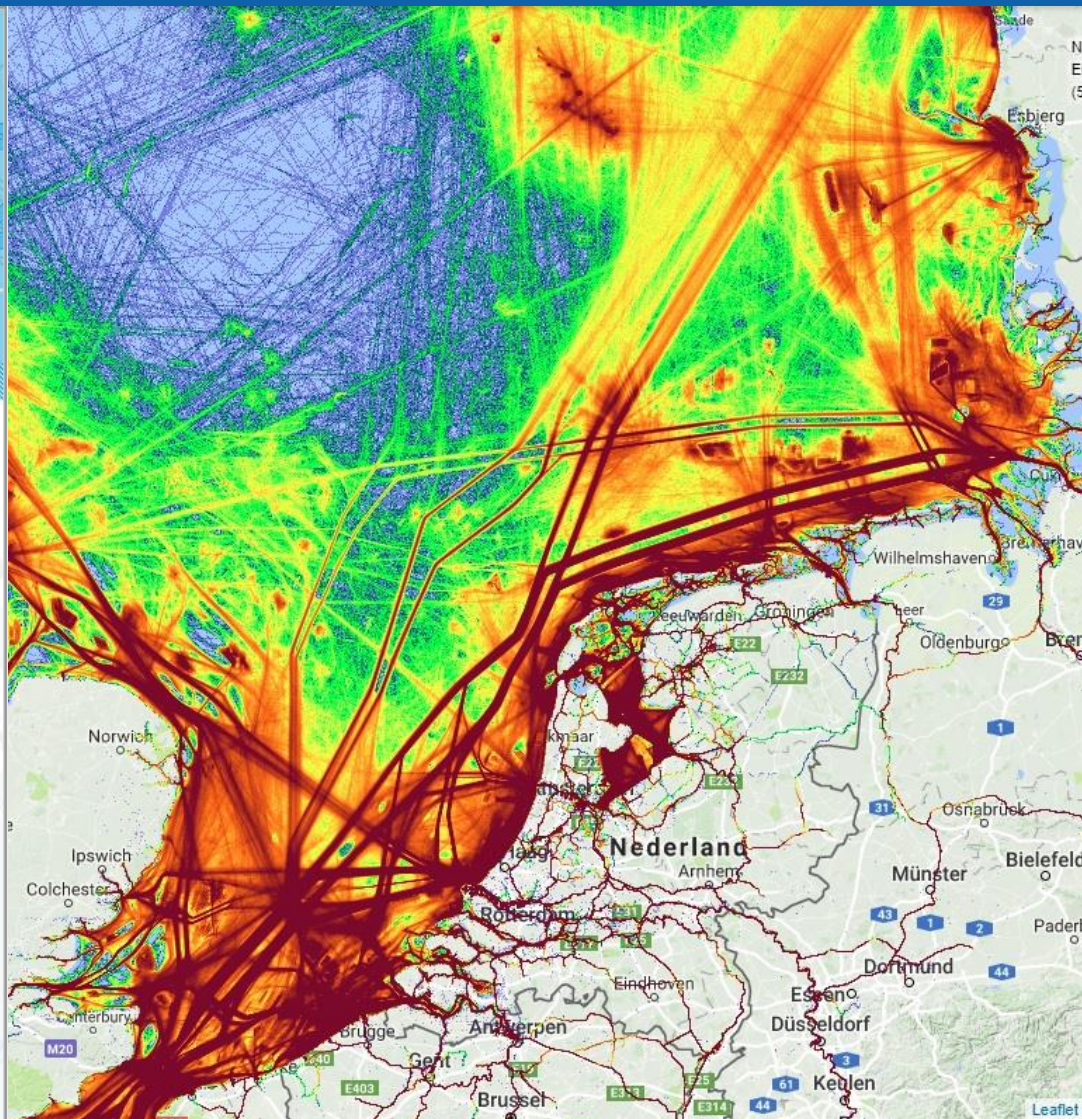
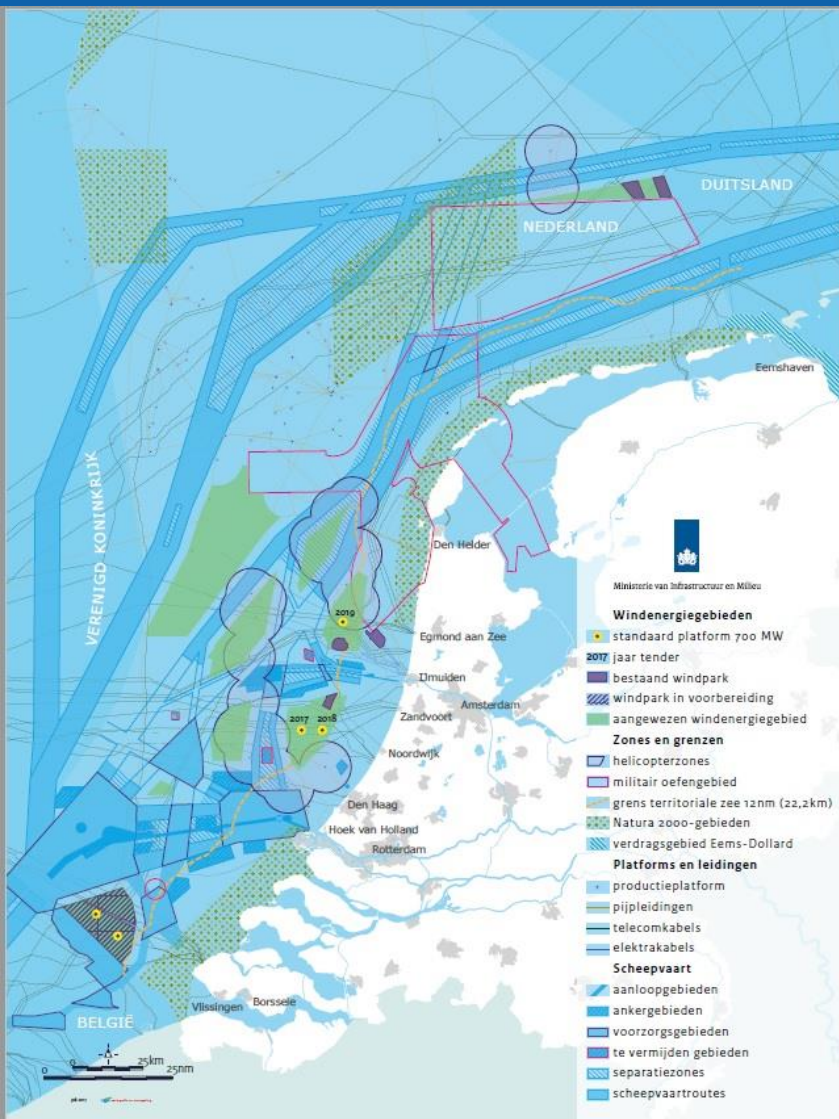
Area's of responsibility



Disaster Relief

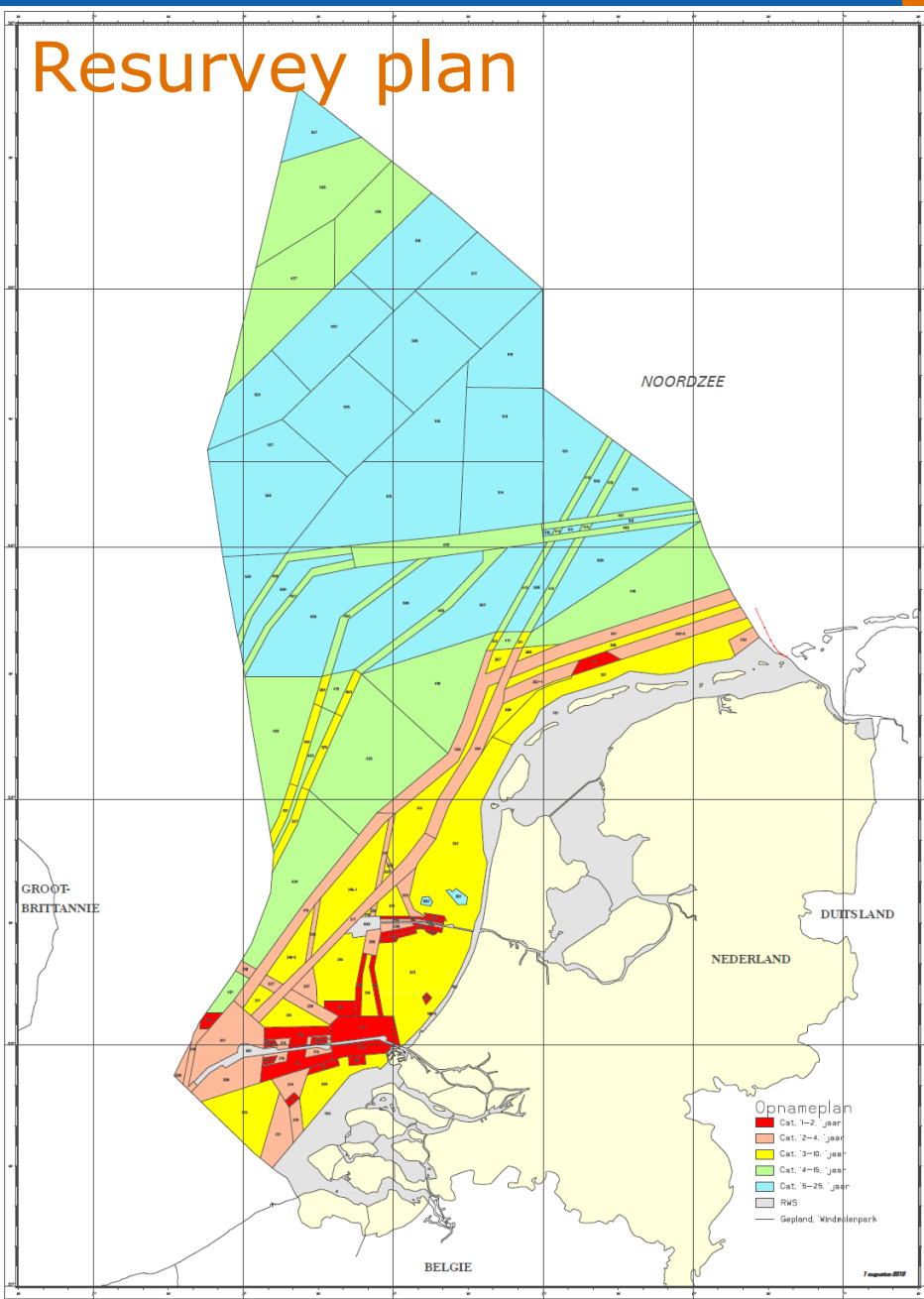


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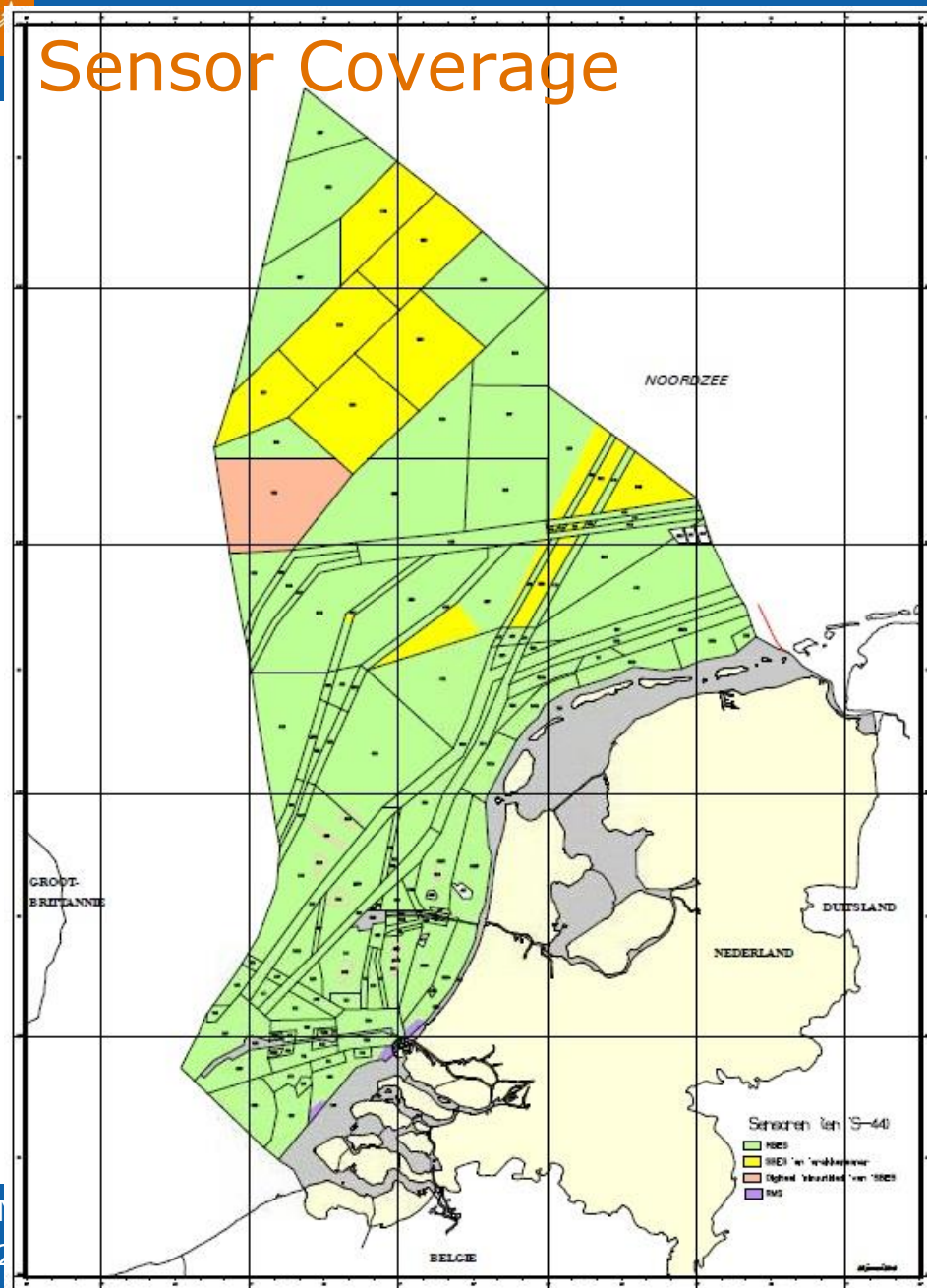




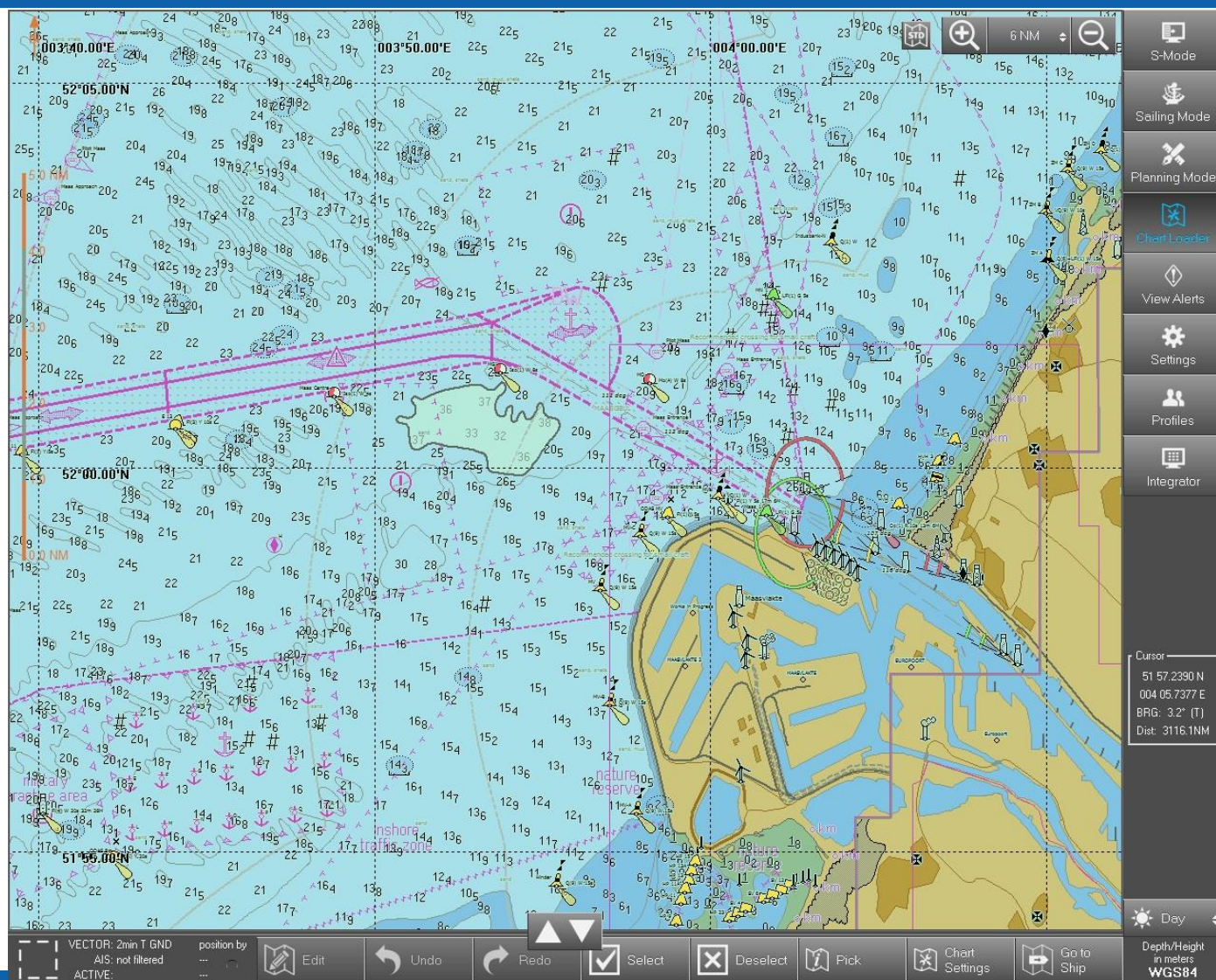
Resurvey plan



Sensor Coverage



ECDIS-display





What do you see?

As strong as the weakest link





Trust in the map?



- 5 April 2007
- MV Sea Diamond
- Santorini, Griekenland
- Reef incorrectly marked on chart (position and depth)
- Evasion maneuver



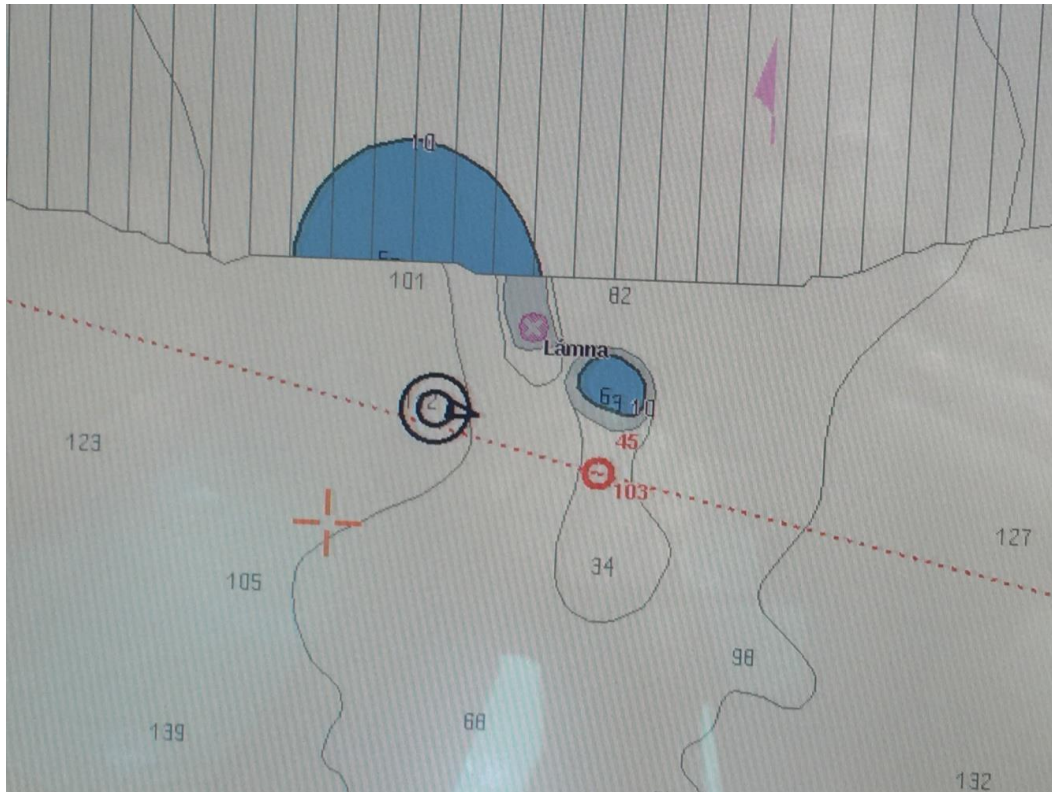
Trust in oneself?



- 13 January 2012
- 2007
- MV Costa Concordia
- Tyrrhenian sea
- Rock cost of Isolo Giglio
- In the chart



Thrust in the complexity?



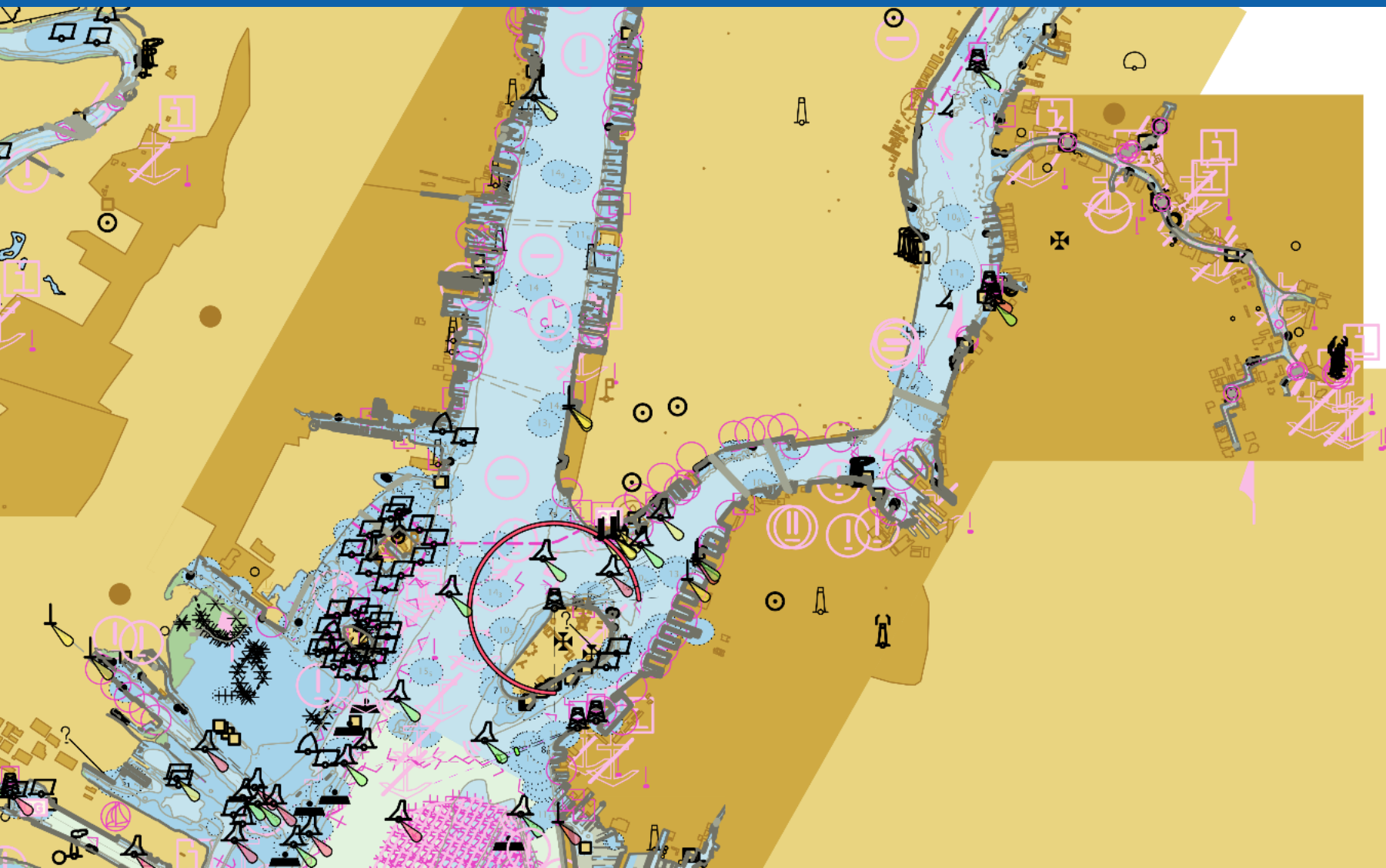
- 20 april 2016
- MV Nova Cura
- Mytilini Straits (North of the Greek Isle of Lesbos)
- Shallow incorrectly in ENC



Thrust in the complexity?



- 20 april 2016
- MV Nova Cura
- Mytilini Straits (North of the Greek Isle of Lesbos)
- Shallow incorrectly in ENC





Visualization

- Display priority
- MMI

Data quality

- Harmonized
- Overlapping counters



CATZOC

- Intuitive
- Temporal variation

S10X

- Transition
- Consistency



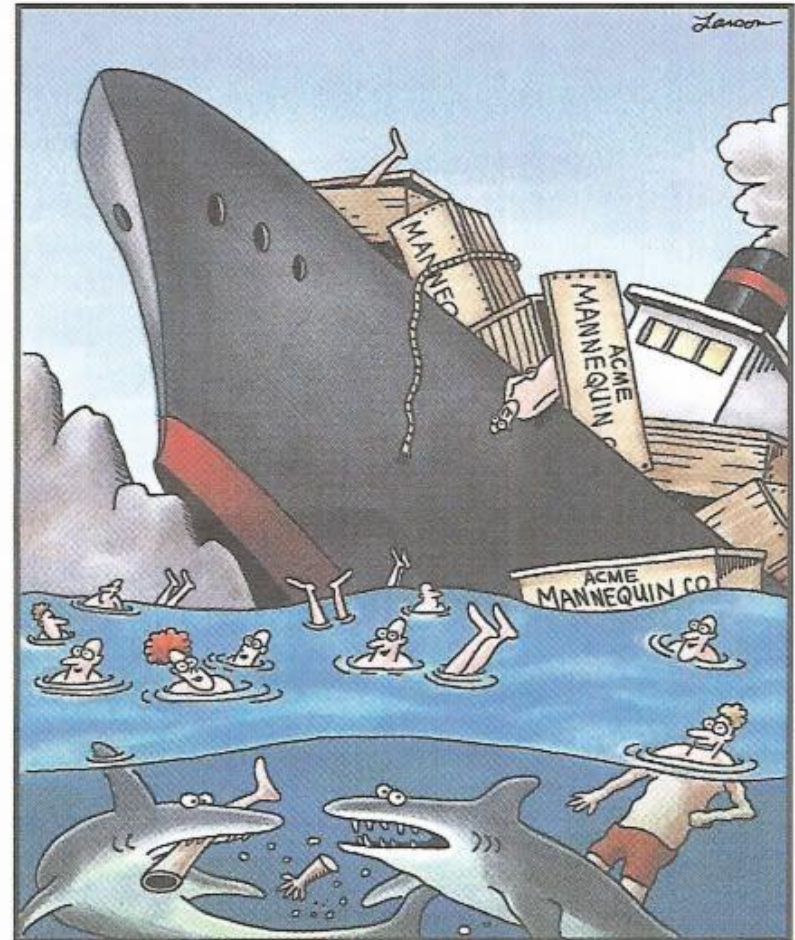
Virtual celebrities by Nvidia



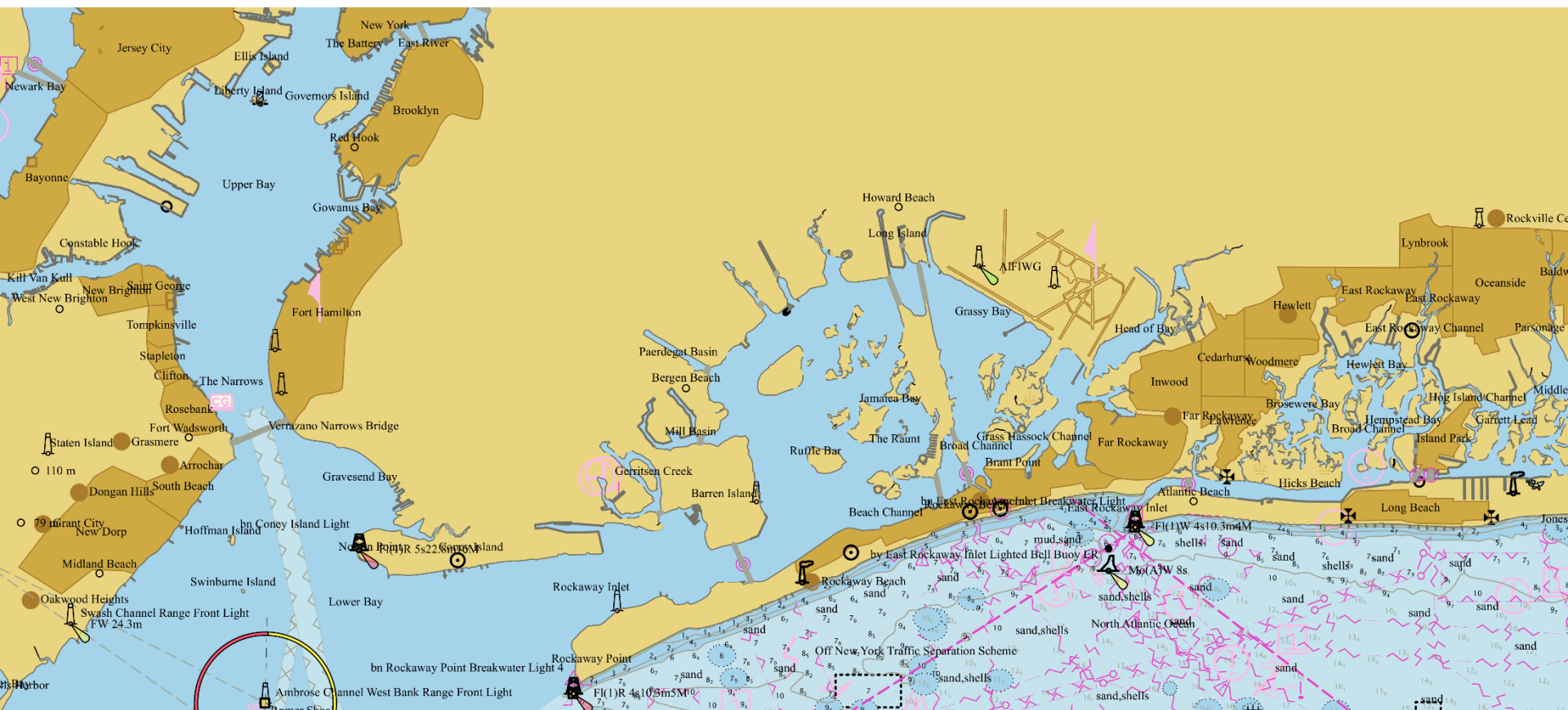
Same dilemma as self driving car?

Final decision?

Be ready to act when necessary



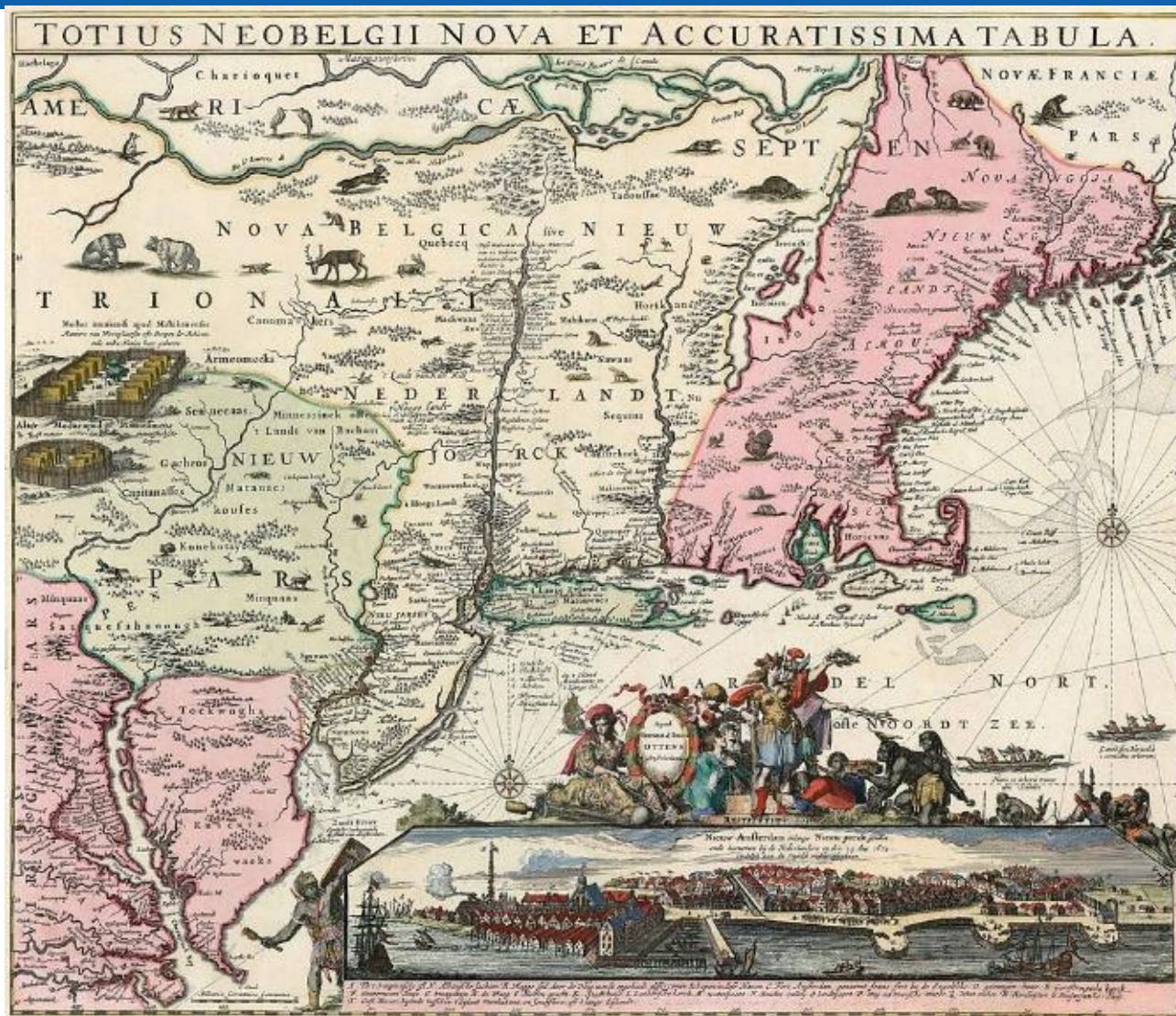
"What is this? ... Some kind of cruel hoax?"





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